

Name: _____

Date: _____

Calculus

Mr. Callahan

For each of the following find:

- a) The intervals on which the function is increasing
- b) The intervals on which the function is decreasing

1) $f(x) = x^2 - 5x + 6$

2) $f(x) = (x + 2)^3$

3) $f(x) = 3x^4 - 4x^3$

4) $f(x) = \frac{x^2}{x^2 + 2}$